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WATER PAINT

Abstract:

PURPOSE: To provide a water paint which has excellent viscosity stability and gives a coating film having excellent gloss, by blending an extender pigment obtd. by treating the surface of a fine particle of ground limestone with a surface treating agent contg. a fatty acid ester and an anionic surfactant.

CONSTITUTION: A surface treating agent consisting of 10pts.wt. fatty acid ester (e.g. butyl stearate or methyl oleate) and 1W50pts.wt. sulfonic acid type or sulfate ester type anionic surfactant (e.g. dodecyl benzene-sulfonic acid or laurate) is prepd. 0.5W10pts.wt. said surface treating agent is added to 100pts.wt. fine ground limestone having an average particle size of 0.4W1 $\mu$ m obtd. by crushing limestone and classifying crushed powder. The treatment of the surface of the particle is carried out by a dry or wet process. The resulting surface-treated ground limestone is used as an extender pigment to provide the desired water paint.

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